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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/590,885	05/17/2007	Robert Dicke	11256-008	3728
80711 7590 12/18/2009 Brinks Hofer Gilson & Lione/Ann Arbor 524 South Main Street			EXAMINER	
			SAETHER, FLEMMING	
Suite 200 Ann Arbor, MI 48104			ART UNIT	PAPER NUMBER
			3677	
			MAIL DATE	DELIVERY MODE
			12/18/2009	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)					
Office Action Occurrence	10/590,885	DICKE ET AL.					
Office Action Summary	Examiner	Art Unit					
	Flemming Saether	3677					
The MAILING DATE of this communication Period for Reply	appears on the cover sheet with	th the correspondence add	ress				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on $\underline{0}$	11 December 2009						
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	, 						
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-28</u> is/are pending in the applicat	tion.						
	4a) Of the above claim(s) <u>5 and 7-27</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-3,6,27 and 28</u> is/are rejected.	·						
7)⊠ Claim(s) <u>4</u> is/are objected to.							
8) Claim(s) are subject to restriction ar	nd/or election requirement						
	ia, or olookon roquiromoni.						
Application Papers							
9)☐ The specification is objected to by the Exan							
10)⊠ The drawing(s) filed on <u>11 <i>March</i> 2008</u> is/are∶ a)⊠ accepted or b)⊡ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s)	_						
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date Notice of Informal Patent Application							
Paper No(s)/Mail Date 6) Other:							

Election/Restrictions

Applicant's election without traverse of species B, Figs. 1, 4 and 5 in the reply filed on 12/1/2009 is acknowledged.

Claims 5, 7-26 are withdrawn from further consideration pursuant to 37 CFR 1.142(b).

In regards to claim 5, applicant indicates that it reads on the elected embodiment but, the elected embodiment does not have the straight flanks adjacent the thread edge as claimed in claim 5. Therefore claim 5 is also non-elected. In fact, there does not appear to be a drawing corresponding to the embodiment of claim 5.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 6 and 27 are rejected under 35 U.S.C. 102(b) as being anticipated by Onasch (US 4,527,932). Onasch discloses a screw having a thread with two concavely formed flanks (7) form a thread edge (5) with an apex angle of 30° (column 2, line 62) which is less than then an imaginary flank angle formed by imaginary flanks extending straight between the thread edge and the thread root (3). The screw is described as a self tapping screw thus it inherently is thread forming and with a head. Fig. 1 shows the

screw pitch (17) approximately ½ the outer diameter (11). The flanks are concave over the entire height of the thread which is inclusive of at least part of the height.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 28 rejected under 35 U.S.C. 103(a) as being unpatentable over Onasch as applied to claim 1 above, and further in view of Yamashiro (US 4,536,117). Yamashiro discloses a screw having a tip (15) formed as a point thus would have automatic piercing properties. At the time the invention was made, it would have been obvious for one of ordinary skill in the art to provide the screw of Onasch with a tip as disclosed in Yamashiro because such a tip would guide the screw into proper engagement with the substrate.

Allowable Subject Matter

Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Flemming Saether whose telephone number is 571-272-7071. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Victor Batson can be reached on 571-272-6987. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Flemming Saether Primary Examiner Art Unit 3677

/Flemming Saether/ Primary Examiner, Art Unit 3677 Application/Control Number: 10/590,885

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